
TRANSMITTER AND OPTICAL RECEIVER FOR 4 POLARITIES OF SATELLITE + TERR.

TO 4 ST / RO ST 44

- ✓ It allows the transmission of 4 satellite polarities and DTT through a single fiber
- ✓ Excellent linearity and flatness.
- ✓ Single mode fiber high return loss
- ✓ Ultra Low Noise Technology
- ✓ Red LED for power indication
- ✓ It incorporates CWDM (TO 4 ST / RO ST 44), using high linearity PD (RO ST 44)
- ✓ Incorporates optical AGC (RO ST 44)
- ✓ DFB type laser (TO 4 ST)
- ✓ Compatible with quattro or quad type LNBs (TO 4 ST)
- ✓ Supports up to 16 RO 44 ST



TO 4 ST



RO ST 44

TECHINCAL TABLE

| REFERENCE | | TO 4ST |
|--------------------------|-------|---------------|
| Coce | | 276001 |
| User interface | | |
| RF Connector | | F-hembra |
| Optical connector | | SC/APC |
| Power supply | | F-hembra |
| Optical parameters | | |
| Return loss | dB | ≥ 45dB |
| Output wavelength | nm | 1510 VL |
| | | 1530 HL |
| | | 1550 VH+Terr. |
| | | 1570 HH |
| Responsiveness | A/W | ≥ 0.9 |
| Output power per λ | dBm | +3 |
| Fiber optic type | | Monomodo |
| Terr parameters + Sat-IF | | |
| Input impedance | Ω | 75 |
| Terr. Frequency range | MHz | 47-860 |
| Terr. Curly | dB | ± 0.75 |
| Terr. input level | dBμV | 65-85 |
| Terr. Return loss | dB | ≥ 14 |
| Sat-IF frequency range | MHz | 950-2150 |
| Sat-IF return loss | dB | ≥ 10dB |
| Planitud Sat-IF | dB | ± 1.5 |
| Sat-IF input level | dBμV | 65-85 |
| LNB power | V/KHz | 13-18/0-22 |
| Other parameters | | |
| Power supply | Vdc | 20 (Incluida) |
| Power consumption | W | < 10 |

| REFERENCE | | RO ST 44 |
|--------------------------|------|---------------|
| Coce | | 276003 |
| User interface | | |
| RF Connector | | F-hembra |
| Optical connector | | SC/APC |
| Power supply | | F-hembra |
| Optical parameters | | |
| Pérdidas de retorno | dB | ≥ 45dB |
| Output wavelength | nm | 1510 VL |
| | | 1530 HL |
| | | 1550 VH+Terr. |
| | | 1570 HH |
| Responsiveness | A/W | ≥ 0.9 |
| Return loss | dBm | -15~3 |
| Input power | dBm | -7~2 AGC |
| Fiber optic type | | Monomodo |
| Terr parameters + Sat-IF | | |
| Input impedance | Ω | 75 |
| Terr. Frequency range | MHz | 47-860 |
| Terr. Curly | dB | ± 0.75 |
| Terr. input level | dBμV | ≥ 80 AGC |
| Terr. Return loss | dB | ≥ 14 |
| CNR | dB | ≥ 50 |
| CSO | dB | ≥ 62 (*) |
| CTB | dB | ≥ 65 (*) |
| Sat-IF frequency range | MHz | 950-2150 |
| Sat-IF return loss | dB | ≥ 10dB |
| Planitud Sat-IF | dB | ± 1.5 |
| Sat-IF input level | dBμV | 75 ± 5 AGC |
| AGC stability | dB | ± 1 |
| Other parameters | | |
| Power supply | Vdc | 20 (Incluida) |
| Power consumption | W | < 10 |

(*) Test conditions: -1dBm of input power, 1550nm 3.8% IMO at 59Ch Pal-D